

Name: _____

at1110paper__practice__test (v1)

1. Expand the following expression into standard form.

$$(2x + 5)(4x + 3)$$

2. Factor the expression.

$$x^2 - x - 20$$

3. Solve the equation with factoring by grouping.

$$18x^2 - 24x - 15x + 20 = 0$$

4. Factor the expression.

$$25x^2 - 9$$

5. Expand the following expression into standard form.

$$(9x - 5)(9x + 5)$$

6. Solve the equation.

$$(5x - 9)(3x - 8) = 0$$

7. Solve the equation.

$$11x^2 + 61x - 41 = 4x^2 + 2x - 5$$

8. Expand the following expression into standard form.

$$(9x + 7)^2$$